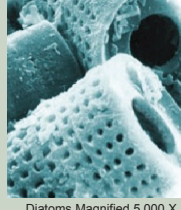


AXIS & PLAY BALL! are DESIGNED BY NATURE

Made from 100% Calcined Diatomaceous Earth

Diatomaceous earth (D.E.) is a deposit of the skeletal remains of plankton called diatoms. AXIS and Play Ball! are 82% porous and very absorbent. The granules exchange more air and water in soil than just solids or pores between solids. Both are kiln fired and non-biodegradable.



Diatoms Magnified 5,000 X

Central Utah Water Conservancy District

Provo Energy Smart Homes Project Sponsor, Provo, UT

Energy efficient indoor home features were complimented by conserving water outdoors with AXIS in all grass and planting areas - where 60% of home water is consumed.

Less Irrigation on 8 Acres

PCC / Tualatin Hills Parks, Beaverton,

"It's a naturally porous material that increases infiltration and plant available water in soil."



Native Plants Increase Efficiency

3 Creek Ranch Clubhouse, Jackson Hole, WY

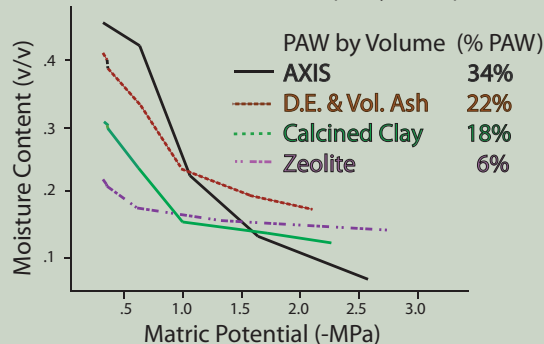
AXIS at 15% increases watering efficiency of native trees and shrubs in a very coarse, rocky soil.



PLANT AVAILABLE WATER (PAW) of AMENDMENTS

Matt Curtis, Vic Claassen, UC Davis 2008

PAW = moisture between field capacity & wilt point



PORE SIZES of INORGANIC AMENDMENTS

Manufacturer's Labels, Porosymetry Tests, University of Augsburg

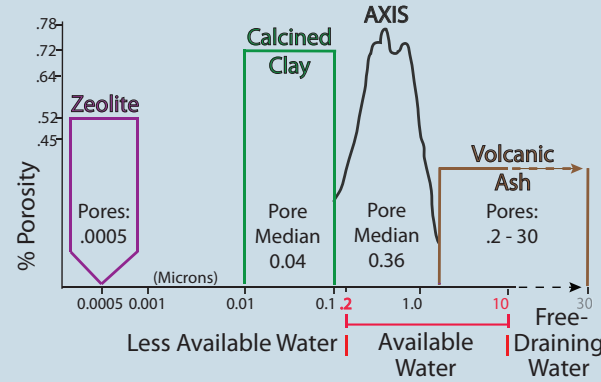


Photo Courtesy of Spin Martin

Sportsfield - 60% Less H2O

Indianapolis, IN

"It's a no brainer", says Spin Martin, past Head Groundskeeper of Indianapolis Colts.

Little to No Irrigation

Nevada DOT Landscape, Las Vegas,

AXIS increases PAW of native plants that will only receive temporary irrigation.



Photo Courtesy of Jeff Deason, Soil-Tech



Greenroof - No Irrigation

Clackamas Comm. Col., Oregon City, OR

Left - no AXIS. Right - 25% AXIS reduces soil bulk density, irrigation and runoff.



Specialty Application

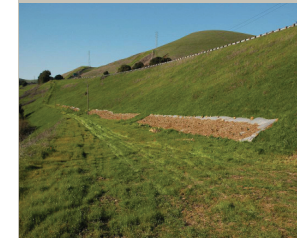
Disney Concert Hall, Los Angeles,

Soil enhanced for drainage and viability of specimen trees craned into position.

INCREASES MICROBIAL POPULATION by 10X

Dr. Charles Bruno, Quantum Consultants

"AXIS increased beneficial bacteria populations of azotobacter, bacillus, and pseudomonas by 10 fold due to increased moisture and air content in the soil."



www.dot.ca.gov/hq/LandArch/research/docs/atf.pdf

4X More PAW than Compost

Caltrans Final Report, UC Davis

	20% Soil	20% Compost	20% AXIS
PAW (mm)	32.5	36	51

"AXIS has a unique characteristic to release water in stressful moisture periods for plants."



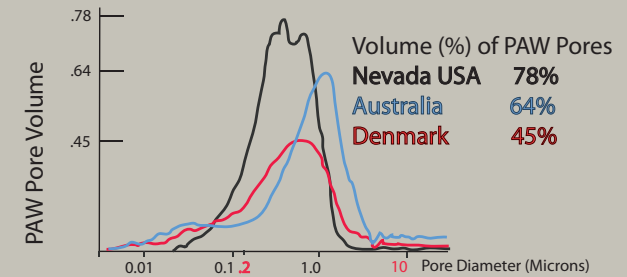
Non-Irrigated Survival Rates

Wyoming DOT & USFS, Over 5 Projects

Survival of native roadsipplants increased from 20-25% to 70-99% without irrigation.

PAW PORES of 3 CALCINED D.E. SOURCES

Kalytta-Mewes, Mattern, Reller, University of Augsburg, Germany



Pore Size that Determines PAW - Univ. Augsburg

SUMMARY of PHYSICAL BENEFITS

Entire Aggregate Circulates Air & Water at Low Application Rates

- Increases Infiltration
- Reduces Compaction
- Increases Air & Water Porosity
- Increases Water Holding Capacity
- Improves Plant Available Water (PAW)
- Performs Long-term, Non Bio-degradable
- High Cation Exchange Capacity (C.E.C.)